

Bridge Inspection									
Bridge File Number	80224 -1 Bridge				Form Type	PCS			
Year Built/Year Supstr	1985/1985				Lot No.	3			
Bridge or Town Name	LETHBRIDGE				Inspector Name	Jon Davies			
Located Over	SMR - IRRIGATION C, WATERCRS-IC				Inspector Class	BR CLS B			
Located On	508:02 C1 7.311				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	11-Jun-2012			
Legal Land Location	SE SEC 5 TWP 8 RGE 20 W4M				Data Entry By	Kelsey Roberts			
Longitude, Latitude	-112:40:41, 49:36:39				Data Entry Date	24-Jun-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA25				Review Date	15-Jun-2012			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	450 / 2011 (A)				Dept. Review Date	29-Jun-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	3								
Allowable Load (t):	Single	CS1 28	Semi	CS2 49	Train	CS3 62	----> On Critical Spans ---->Critical Member		
Design Loading:	MS230						----> Primary Span		
Posting Information									
Required Load Posting (t)	Single				Semi		Truck Train		
Posted Loading (t)	Single				Semi		Truck Train		
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N)	No	
Remarks	Not required								
Hazard Marker At Bridge (Y/N)	No								
Remarks									
Other Sign Types									
Utilities (Located at)									
Utility Attachments									
Telephone	SOUTH DITCH				Gas	CROSSES ROAD 34 M WEST			
Power	NORTH SIDE 2 LINE				Municipal				
Others	Water pipe line South Row				Problem (Y/N)	No			
Remarks									
Approach Road									
			Last	Now	Explanation of Condition				
Horizontal Alignment			7	7	Residence approaches west end				
Vertical Alignment			8	8					
Roadway Width (m)	10.500								
Approach Bump			7	7					
Guardrail (Y/N)	Yes				Bolts pulled through the guardrail in the NE corner				
Guardrail			4	4	No thriebeam				
Length (m)	8.000								
Current Standard (Y/N)	No								
Termination Type	ROUNDED OUT								
Drainage			7	6					
Approach Road General Rating			7	7					

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : SM, 3 Spans, Lengths(m): 11-11-11, A-Ident Number:)					
Special Features					
Special Feature			X		
(Type :)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last	0	0	0	0	
Now	0.0	0.0	0.0	0.0	
Wearing Surface			7	6	
(Material Type : ACP)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top			N	N	
Deck Rideability			7	6	
Deck Joints			N	N	
Bump (Y/N)		No		Paved Over	
Deck Drainage			6	6	
Drains Clogged (Y/N)		No		DRAINS AT ENDS OF BRIDGE	
Curbs/Median			6	6	
(Curb Type : Standard)					
Scaling (Percent Area)		1		SMALL SPALLS AT ENDS (SNOW PLOW) SOME GRADER SCRAPES, MAP CRACKS AT POSTS	
Bridge Rail			6	4	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts			8	7	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating			7	7	
(Type : GALVANIZED)					
Sidewalk			X	X	
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last	0	0	0	0	
Now	9	0	0	0	
Girders			5	5	
Last Complete Inspection Date					
Cracking (Y/N)		Yes		H-LINE DLongitudinal CRACKS ALONG BOTTOM OF UNITS.	
Spalling (Percent Area)		0			
Lift or Connector Pocket Grouted (Y/N)		Yes		Center span 2 not accessible.	
(Number Of Girders : 27)					
Span Alignment Problems					
Vertical (Y/N)		No			
Horizontal (Y/N)		No			
Superstructure General Rating			5	5	

Substructure						
Bridge Component		Last	Now	Explanation of Condition		
Abutments						
(Extended Backwall Piles (Y/N) :)						
(Extended Backwall Piles Spacing(mm) :)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	0	0	0	0		
Bearing Seats/Caps/Corbels				5	5	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
Backwalls/Breastwalls			N	N		
Greatest Height (m)		1.00				
Wingwalls			7	6		
(Total Number of Bearing Piles : 0:0)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	1					
Now	1	0	0	0		
Piles				N	N	
Paint/Coating				5	5	
Abutment Stability				6	6	
Scour/Erosion				5	5	
Minor settlement under abut. caps of 150 mm						
Piers/Bents						
(Type : PIER-COLUMN)						
(Total Number of Caps/Corbels : 1:1)						
Bearing Seats/Caps/Corbels Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last						
Now	2	0	0	0		
Bearing Seats/Caps/Corbels				7	N	
(Type : CONCRETE)						
(Depth(mm) :)						
(Width(mm) :)						
(Total Number of Bearing Piles : 6:6)						
Piles Detail Ratings						
	N (count)	1 (count)	2 (count)	3 (count)		
Last	0	0	0	0		
Now	12	0	0	0		
Pier Shaft/Piles				7	N	
Greatest Height (m)		4.70				
Bracing/Struts/Sheathing				X	X	
Nose Plate				X	X	
Paint/Coating				4	N	
Peeling P.R. 4.						
(Colour Description :)						
(Colour Code :)						

Substructure				
Bridge Component		Last	Now	Explanation of Condition
Pier Stability		7	N	P.R. 7
Scour		N	N	
Debris (Y/N)	No			
Substructure General Rating		5	5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	2.8			No HWM visible
Drift (Y/N)	No			
Slope Protection		7	6	
(Type : RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	(1.5 m freeboard) 19-Jun-2009
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	6	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
OVERLAY DECK							
STRAIGHTEN/REPLACE MEMBERS							
WASHING							
SHOTCRETE REPAIRS							
CORE TIMBER CAPS/CORBELS							
REPAIR/REPLACE TIMBER CAPS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL STRUTS							
OTHER ACTION	2012	Attach guardrail to the post in the NE corner - 1 - 10" G.R. bolt					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	66.7/62.1	Est. Repl. Yr	2036	Maint. Req. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	11-Sep-2015		Previous Inspection Date	20-Jun-2009			
Inspection Cycle (Default) (months)	39						
Comment							